

**USEPA/OECA/OC**  
**State and Tribal Assistance Grant (STAG): 2000-2001**  
**Mississippi: Enforcement and Compliance Assurance Assistance**  
**Quarter 2 Report, 2002**  
**Uploaded to Internet 1/28/03**

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## ***Summary and background***

The Mississippi Department of Environmental Quality (MDEQ) is implementing an integrated environmental information management system, *enSite*<sup>1</sup> to fully support its regulatory programs across media. MDEQ is successfully implementing *enSite* with limited funding by building upon successes in other states. Mississippi purchased American Management System's TEMPO<sup>2</sup> software for its *enSite* system and is making minimal modifications necessary to meet needs unique to Mississippi. Further, through the growing number of states acquiring TEMPO<sup>3</sup>, states are able to leverage enhancements that are beneficial to multiple states.

As MDEQ implements specific program features in *enSite* that support EPA program data, such as EPA's Permit Compliance System (PCS) data, MDEQ will no longer utilize the corresponding EPA database as Mississippi's internal data management system. MDEQ and EPA Region 4 have recognized with foresight that business process changes will be required with Mississippi's move to *enSite*. Other States that implement TEMPO within their NPDES program will be faced with the same dilemma.

It is the goal of MDEQ to share more accurate and more comprehensive enforcement and compliance data with EPA by providing information from *enSite* to EPA for its regulatory program needs. By leveraging work being performed in New Jersey, Mississippi will develop an IDEF interface from *enSite* into PCS. This interface will be available to other TEMPO states for their interface needs.

The following activities were conducted during the period of October 1, 2001 through December 31, 2001.

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<sup>1</sup> *electronic* Environmental Site Information System

<sup>2</sup> Tools for Environmental Management Protection Organizations

<sup>3</sup> An earlier version of this software, NJEMS was implemented in New Jersey. There is some compatibility between the NJEMS and TEMPO systems.

## ***Work Status***

During this reporting period, MDEQ completed the pilot of the Louisiana TEMPO Water Module functionality to determine any new requirements needed to support MDEQ's compliance and enforcement business processes and to facilitate the interface between enSite and PCS. As stated in the work plan, this pilot is an evaluation of the Louisiana TEMPO Water Module. The evaluation also includes enhancements proposed by Kentucky in their planned release of TEMPO.

MDEQ began working with American Management Systems on the enhancements required to support the TEMPO to PCS interface as well as the workplan to build the interface utilizing the New Jersey NJEMS IDEF interface as a starting point.

MDEQ continued coordination with other states on their evaluation of the TEMPO water module and enhancement requests identified.

## ***Work Progress***

MDEQ completed the three-month pilot during this reporting period. MDEQ also completed the evaluation of the enhancements requested and began working with AMS to determine TEMPO enhancements necessary for Mississippi to support the IDEF interface.

## ***Difficulties Encountered***

To date, no difficulties have been encountered.

## ***Preliminary Data Results***

Significant enhancements were identified during the final month of evaluation to support NPDES permit writing and Discharge Monitoring Report (DMR) functionality, but no significant enhancements for additional data to support the existing PCS were identified. Some enhancements to support compliance and enforcement have been identified in the areas of compliance assurance for DMRs.

## ***Activities Anticipated Next Reporting Period***

Activities anticipated during the next reporting period include the following:

- Finalization of the enhancements needed by Mississippi in the TEMPO module.
- Finalization of the IDEF interface workplan.
- Continued coordination with other TEMPO states on Mississippi's proposed enhancements.
- Finalization of a work plan for enhancement development and integration of the enSite Water Module.

### ***Expenditures and Project Schedule***

No contractual expenditures to be applied to this grant have been incurred to date.

The project schedule remains a 12 – 14 month project as stated in the project work plan. The project start date was October 1, 2001.